

Supplementary Material A.

Exploring acceptance of agro-biomass as innovative solution for heating in rural areas in Romania

Welcome note

Dear participant, welcome to the survey ours !

we would like saddle KNOW What opinion you have about heating with biomass agricultural .

The survey it takes 10-12 minutes. It doesn't exist answers FAIR or wrong , it is words about FEEDBACK you All the data is anonymized and confidentiality you it is guaranteed .

yourself thank you that you help us saddle 's get closer information relevant !



Introduction in topic

1. A 1. Know the term " agrobiomass " or " biomass". agricultural "??

Yes / No

" Agrobiomass " or

" Biomass agricultural " refers to a range wide range of materials Biogen solid coming directly from the activities Agriculture or from processing products agricultural .

residues from various crops agricultural , available in the field : straw , corn residues , cuttings , cotton stalks , etc.

products secondary from the processing Agricultural products : olive pits , rice husks, walnut shells, etc.

CROPS energy - cultures non-food . Plants grown specifically for their use as solid biofuel : miscanthus , panicum virgatum, willow energy , etc.

2. The above definition is in concordance with one's own perception on agrobiomass ?

yes/no

3. You have experience with agrobiomass in consumer quality or manufacturer ?

Yes / No

4. KNOW that agrobiomass It could be a source of energy use for heating ?

Yes / No

5. gagroWhat kind of heating sources use for your own residence ?

- ☐ Combustible
- ☐ energy electrical (e.g. air conditioning units , heaters electrical , radiators, etc.)
- ☐ Natural gas
- ☐ Firewood
- ☐ Wood pellets
- ☐ Agrobiomass
- ☐ Heat pumps geothermics
- ☐ Other heat pumps
- ☐ Heating urban
- ☐ Other

Perceptions and awareness

yourself Please saddle give a number EACH statements , selecting the option that fits level you agree , on a scale from 1 to 5 [1 Totally disagree ; 2 = Disagree ; 3 = Neither agree and ANY disagreement ; 4 = Agree ; 5 = Strongly agree]

	1	2	3	4	5
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5. Improvement is needed effectiveness energy / management resources in my area local					
6. Use agrobiomass for heat would not offer BENEFITS for me and for my area .					
7. It's worth it invest in the use agrobiomass as an energy source renewable .					
8. In general , an agrobiomass heating project It had a positive impact .					
9. Perception my generous about the use agrobiomass for heating it is a positive one .					

10 . How much think that KNOW about the following subjects ? (1 = Absolutely nothing ; 2 = A little ; 3 = Somewhat measure ; 4 = A lot; 5 = Very a lot)

	1	2	3	4	5
Energy technologies regenerator					
biomass and the use saddle for heating					
TECHNOLOGY for heating BIOMASS					
Funding schemes and INCENTIVES for heating BIOMASS					
regulation Helpful and AspEcts link about heating with biomass					
Agrobiomass as an energy source (for example , logistics necessary , the technologies REQUIRED for the use to etc.)					

The intention to act

yourself Please saddle give a number EACH statements , selecting the option that fits level you agree , on a scale from 1 to 5 [1 Totally disagree ; 2 = Disagree ; 3 = Neither agree and ANY disagreement ; 4 = Agree ; 5 = Strongly agree]

	1	2	3	4	5
11. I would accept the use agrobiomass for heating and the construction FACILITIES necessary , regardless of the distance against the house my					
12. I would supports a heating project with agrobiomass in Approaching home , a system that uses residues from various crops Agriculture for material first					
13. I would supports a heating project with agrobiomass , close to home , a systemcare USED processing by -products WASTE Agriculture for material first					
14. I would supports a heating project with agrobiomass , close to home , a system that uses CROPS energy for material first					

15. I would supports a heating project with agrobiomass in Approaching the home , the heat OUTPUT being used in purposes industrial / agricultural .					
16. I would be interested to connect the household / business to a heating network that uses agrobiomass as an energy source primary .					
17. I would be interested saddle I install a heating system with agrobiomass directly at my own residence or business .					

factor DECISIVE

yourself Please saddle give a number EACH statements , selecting the option that fits level you agree , on a scale from 1 to 5 [1 Totally disagree ; 2 = Disagree ; 3 = Neither agree and ANY disagreement ; 4 = Agree ; 5 = Strongly agree]

16. With in view EVENT in which a project / heating system with agrobiomass it is developed in Approaching house You , the following AspEcts would be important to you help saddle accept the project :

	1	2	3	4	5
The project has a positive impact on ENVIRONMENT and climate (eg reducing greenhouse gas emissions) .					
The project leads to cost savings (eg reduction INVOICE annual heating) .					
The project has a positive , measurable impact on local economy (e.g. job creation , improvement competitiveness etc.).					
involvement residents in MAKING decisions .					
Agrobiomass comes from farmers and local businesses .					
The technology used by the system comes from a local producer or national .					
The project it is initiated or supported by the community local					
The project it is initiated or supported by organizations and / or reliable companies .					
The project will improve image the local community .					
information the project (eg matter bonus used , technologies used , pollution control measures installed etc.) are public and transparent .					

obstacles

yourself Please saddle give a number EACH statements , selecting the option that fits level you agree , on a scale from 1 to 5 [1 Totally disagree ; 2 = Disagree ; 3 = Neither agree and ANY disagreement ; 4 = Agree ; 5 = Strongly agree]

17. Which one do you have ? CONSIDERATIONS justice the May importance barrier (one or May many) for development of heating projects with agrobiomass in your area ?

	1	2	3	4	5
benefits economic / cost savings of a design would be minimal .					
Fear that the project maybe leads to negative impacts on ENVIRONMENT and of health (quality air , noise , smells , generation waste etc.).					
Lack of cooperation between the actors who would BE to be involved in project .					
Lack of resident involvement in the decision - making process .					
Lack OF INFORMATION transparent about aspects TECHNICAL and environmental aspects of the project .					
Lack of knowledge TECHNICAL watching SETTING A heating system with agrobiomass (for example , the organization the supply chain , the choice technology appropriate etc.).					
Lack support mechanisms and INCENTIVES for INVESTMENT necessary .					
Lack agrobiomass available .					
Lack of space for installation the system .					
Complications POLICY and inadequacies (eg bureaucracy , legislation unclear).					
Aesthetics (visual impact , fear degradation aesthetics of the area).					

Pro- environmental beliefs

18. yourself Please saddle specify how important the following are issues : [1 = Not a priority ; 2 = priority low 3 = priority average ; 4 = high priority ; 5 = Essential]

	1	2	3	4	5
prevention pollution : protection resources naturally					
The respect towards earth : harmony with others species					
Unity with nature: framing in nature					
protecting environment : preservation NATURE					
A world of peace : without war and conflict					

Justice social : correction injustice , care THE weaken					
To come in the help to the others : to work for WELFARE OTHERS					
Tie : chances equal for all					
The power social : control over to others , dominance					
Wealth : goods materials , money					
Authority : the right to rule or command					
Influential : having an impact on people and events					

Personality traits

yourself Please saddle give a number EACH statements , selecting the option that fits level you agree , on a scale from 1 to 5 [1 Totally disagree ; 2 = Disagree ; 3 = Neither agree and ANY disagreement ; 4 = Agree ; 5 = Strongly agree]

19. Me I see myself as someone who :

	1	2	3	4	5
He comes up with ideas us .					
It is curious about many things different					
He has an imagination active					
Prefer routine work .					
He likes to reflection and comes up with ideas .					
It is reserved .					
Generate a lot enthusiasm					
Friendly , sociable .					
He has a personality assertive .					

Demographics / variables ADDITIONAL

In finally , you can say something May a lot about you ?

20. In What country do you live

21. Stay in an area ?

- ☐ Densely populated (urban) area
- ☐ Area intermediate (semi- urban)
- ☐ Sparsely populated area (rural)

22. how do you describe the climate in your area of residence ?

- ☐ warm and dry
- ☐ warm and wet
- ☐ temperate / moderate
- ☐ cold

23. Which is age you ?

- ☐ 18-24
- ☐ 25-34
- ☐ 35-44
- ☐ 45-54
- ☐ 55-64
- ☐ 65+

24. Sex:

- ☐ Male
- ☐ Female
- ☐ Other
- ☐ I prefer not to say

25. Last school graduation

- ☐ none
- ☐ primary
- ☐ secondary
- ☐ undergraduate level
- ☐ master level
- ☐ PHD or higher

26. You have a training academic in engineering / environmental / energy fields ?

Yes / No

27. You have experience professional in AREAS engineering / environment / energy sector ?

Yes / No

28. how do you classify net household income the family ?

- ☐ Income reduced
- ☐ Income environment
- ☐ High income

29. The place you of residence is :

- ☐ rent
- ☐ HELD
- ☐ another

Ending questionnaire

yourself thank you that YOU participated in this POLL and YOU contributor saddle we understand what people think about heating projects with agrobiomass !

contribution you we will help very a lot saddle identified collectable sociable Actuator and saddle we understand the aspects that would BE let's take them in consideration throughout implementation the project with reference to biomass heating agricultural .

yourself thank you very a lot for participation !